

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1694	(gaylord).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:13
S2	68	S1 and grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:22
S3	3220	385/37.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:26
S4	32	S3 and (((plurality or numerous or several) near2 grating) same ((planar or block or substrate) near2 (waveguide or lightguide)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:42
S5	25	("4844613"   "4929049"   "5026139"   "5064619"   "5067788"   "5173747"   "5253037"   "5430817"   "5485277"   "5492840"   "5641956"   "5646400"   "5647039"   "5864641").PN. OR ("6021240"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 10:34
S6	19	S3 and (((plurality or numerous or several) near2 grating) with ((planar or block or substrate) near2 (waveguide or lightguide)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:36
S7	0	(((((plurality or numerous or several) near2 grating) same ((planar or block or substrate) near2 (waveguide or lightguide))) same (compensat@4 or negat@2 or invalidat\$4 or counterbalanc\$2) near4 (((input OR incident) near2 angle) near2 (light or signal)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:40
S8	0	S3 and ((compensat@4 or negat@2 or invalidat\$4 or counterbalanc\$2) near4 (((input OR incident) near2 angle) near2 (light or signal)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:40

## EAST Search History

S9	11	"0535402"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:40
S10	82	((((plurality or numerous or several) near2 grating) same ((planar or block or substrate) near2 (waveguide or lightguide)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 11:39
S11	1549	("385"/\$.ccls. or "359"/\$.ccls.) and (((inciden\$5 or input or entr\$5) near2 angle) with grating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 11:41
S12	701	("385"/\$.ccls. or "359"/\$.ccls.) and (((inciden\$5 or input or entr\$5) near2 angle) with (diffraction near2 grating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 11:04
S13	125	("385"/\$.ccls. or "359"/\$.ccls.) and (((inciden\$5 or input or entr\$5) near2 angle)near5 (vary or variable or varying or varies or varied or differen\$4 or chang\$3)) with (diffraction near2 grating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 10:25
S14	129	("385"/\$.ccls. or "359"/\$.ccls.) and (((inciden\$5 or input or entr\$5) near2 angle)near5 (vary or variable or varying or varies or varied or differen\$4 or chang\$3)) with ((blazed or diffraction) near2 grating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:08
S15	3	("385"/\$.ccls. or "359"/\$.ccls.) and (((inciden\$5 or input or entr\$5) near2 angle) with (independent)) with (diffraction near2 grating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 11:03
S16	701	("385"/\$.ccls. or "359"/\$.ccls.) and (((inciden\$5 or input or entr\$5) near2 angle) with (diffraction near2 grating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 11:04
S17	572	S16 not (S14 or S15)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 11:27

## EAST Search History

S18	25	("4844613"   "4929049"   "5026139"   "5064619"   "5067788"   "5173747"   "5253037"   "5430817"   "5485277"   "5492840"   "5641956"   "5646400"   "5647039"   "5864641").PN. OR ("6021240").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/25 12:37
S19	5	S18 and ((inciden\$5 or input or entry or entrance) near2 angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 12:38
S20	7	("5153590"   "5703667"   "5899553"   "6011602"   "6020944").PN. OR ("6598987").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/25 12:48
S21	28	("4806442"   "4806454"   "4842969"   "4895790").PN. OR ("5279924").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/25 13:17
S22	2	"20030180022"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 13:35
S23	4	("6028466" or "5074646").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 13:36
S24	28	("4806442"   "4806454"   "4842969"   "4895790").PN. OR ("5279924").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/25 14:44
S25	1787	((optical adj head) adj device).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 14:45
S26	4	S25 and (385/37.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/25 14:45
S27	264	("385"/\$.ccls. or "359"/\$.ccls.) and (((inciden\$5 or input or entr\$5) near2 angle)near5 (vary or variable or varying or varies or varied or differen\$4 or chang\$3)) same((blazed or diffraction) near2 grating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:09

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S28	129	("385"/\$.ccls. or "359"/\$.ccls.) and (((inciden\$5 or input or entr\$5) near2 angle)near5 (vary or variable or varying or varies or varied or differen\$4 or chang\$3)) with ((blazed or diffraction) near2 grating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:09
S29	135	S27 not S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:18
S30	2	"5142394".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:20
S31	19	((diffract\$5 near2 grating) with (inciden\$6 near2 angle)) same ((uniform\$5 or even\$5) near2 (lit or light\$3 or illuminat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:14
S32	28	((diffract\$5 near2 grating) same ((uniform\$5 or even\$5) near2 (lit or light\$3 or illuminat\$3))) and ((independ\$6 or input or entry) near2 angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:16
S33	14	(grating same ((uniform\$5 or even\$5) near2 (lit or light\$3 or illuminat\$3))) and (independ\$5 with ((inciden\$6 or input or entry) near2 angle))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:17
S34	100	((waveguid\$3 or lightguid\$3 or light-guide\$3 or (light adj guid\$3)) with ((Uniform\$5 or even\$5) near2 (lit or light\$3 or illuminat\$3))) same (grating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:19
S35	581	"385"/\$.ccls. and blaz\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:19
S36	1	connelly-cushwa and (volume adj grating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:19

## EAST Search History

S37	447	((diffraction near2 (grating)) with (coupler or lens)) same (angle near2 (incidence or incident or entry or input))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:20
S38	1	((diffraction near2 (grating)) with (coupler or lens)) same ((angle near2 (incidence or incident or entry or input)) near3 independent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:21
S39	121	((diffraction near2 (grating)) with (coupler or lens)) same (angle near2 (incident or incidence or entry or input)) and (waveguid\$3 or lightguid\$3 or (light adj guid\$3) or light-guid\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:22
S40	2	"6285813".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:22
S41	19	("4978187"   "5009484"   "5033812"   "5101459"   "5436991"   "5469518").PN. OR ("6285813").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 14:09
S42	2	"6285813".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 14:21
S43	2	"5142394".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 14:24
S44	4	(optical near2 head) same ((enlarge\$3 or bigger or increas\$3) near3 pupil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 14:27
S45	4	(optic\$3 near2 head) same ((enlarge\$3 or bigger or increas\$3) near3 pupil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 14:27
S46	30	("4806442"   "4806454"   "4842969"   "4895790").PN. OR ("5279924").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 08:02

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S47	3484	385/37.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 08:03
S48	370	S47 and (grating near4 (symmetrical or symmetric or symmetrically or split\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 08:04
S49	0	("2006/0051024").URPN.	USPAT	OR	ON	2006/11/17 08:06
S50	4	("4958357"   "5701325"   "6081636"   "6091745"):PN. OR ("6587619"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 08:14
S51	4	("5159650"   "5495462").PN. OR ("5684900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 08:19
S52	31	("3329474"   "3614191"   "3650602"   "4422088"   "4813769"   "4850682"   "4917452"   "4969717"   "5071232"   "5107357"   "5134516"   "5159473"   "5162944"   "5193130"   "5204771"   "5258871").PN. OR ("5430561"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 08:22
S53	27	("3429641"   "4464018"   "5013140").PN. OR ("5134516"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 08:27
S54	2686	S47 and (@ad<"20021216")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 08:28
S55	1650	S54 and (lens or lenses or (input near3 optic\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 09:40
S57	31	("2437642"   "2576581"   "3161718"   "3614215"   "3738734"   "4174156"   "4181408"   "4418990"   "4453587"   "4466706"   "4753414"   "4865438"   "5013145"   "5113270"   "5138494"   "5182585"   "5440798"   "5526067"   "5597613"   "5624611"   "5712721"   "5739959"   "5745289"   "5956183").PN. OR ("6288846"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 10:00

## EAST Search History

S58	29	(US-20030189755-\$ or US-20020122253-\$ or US-20040213499-\$ or US-20040008416-\$ or US-20060018019-\$).did. or (US-6021240-\$ or US-5048925-\$ or US-6587619-\$ or US-5684900-\$ or US-5430561-\$ or US-5134516-\$ or US-7088884-\$ or US-7006727-\$ or US-6823106-\$ or US-6788849-\$ or US-6728034-\$ or US-6374016-\$ or US-6288846-\$ or US-5513289-\$ or US-5377291-\$ or US-6473543-\$ or US-5745289-\$ or US-6598987-\$ or US-5613022-\$ or US-5279924-\$ or US-6665471-\$ or US-5340637-\$ or US-4314283-\$).did. or (US-20040252939-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/11/17 12:31
S59	15	S58 and (diffract\$4 near3 order)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 12:32
S60	9	("4830447"   "4838638"   "4874221"   "4892375"   "4909587").PN. OR ("5377291").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 12:58
S61	9	S58 and ((first and second) near2 (harmonic or diffraction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 12:59
S62	3484	385/37.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 13:02
S63	2686	S62 and (@ad<"20021216")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 13:02
S64	41	S63 and ((first and second) near2 (harmonic or (diffraction near2 order)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 13:03
S65	3484	385/37.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 14:14

## EAST Search History

S66	2686	S65 and (@ad<"20021216")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 14:14
S67	4	("5159650"   "5495462").PN. OR ("5684900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 14:17
S68	0	("2006/0018019").URPN.	USPAT	OR	ON	2006/11/17 14:18
S69	33	("2945958"   "3455637"   "3603730"   "3681527"   "3774987"   "3809455"   "3845239"   "3980893"   "3987301"   "4001581"   "4012585"   "4015081"   "4068121"   "4180702"   "4227769").PN. OR ("4314283").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 14:19
S70	4	("4958357"   "5701325"   "6081636"   "6091745").PN. OR ("6587619"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 14:21
S71	10	"5101297"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 14:22
S72	11	("3961102"   "4805184"   "4877717"   "4900113"   "4906063"   "4929042").PN. OR ("5101297"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 14:22
S73	214	"385"/\$.ccls. and (display or graphic) with grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/07 13:19
S74	37	(graphic and display and grating). ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/08 09:26
S75	33	(tapani near2 Levola).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/08 09:26
S76	9	("20030067685"   "20040174348"   "20040233534"   "4946253"   "5724163"   "5966223"   "6185015"   "6580529"   "6805490").PN. OR ("7206107").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/08 09:29



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S77	20	("20010034250"   "20020058531"   "4309070"   "4711512"   "4946253"   "5369415"   "5724163"   "5867795"   "5880888"   "5882773"   "5966223"   "6073034"   "6169613"   "6185015"   "6243056"   "6334063"   "6360104"   "6424843"   "6580529").PN. OR ("6805490").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/08 09:34
S78	5	"6728034"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/08 09:34
S79	10	("20050002313"   "4946253"   "5015835"   "5363226"   "5486934"   "5561558"   "5682255"   "5726805"   "5745265"   "5910940").PN. OR ("6947213").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/08 10:24
S80	117	(imager with grating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/08 10:58
S81	4	("20020122015"   "5745266"   "5970190"   "6285813").PN. OR ("7181108").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/08 10:25
S82	36	((virtual near2 display) with grating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/08 10:58